INA745 CRANE FLOATER
Universal Board Carrier

Installation Instructions **US**

The following Installation Instructions explain how to mount and use the INNO system carrier attachment system designed for loading 3 surf boards or 2 long boards. After reading this manual, keep it in a safe place along with the installation instructions for attachment systems. If you have any questions regarding this manual, please contact us listed at the end.

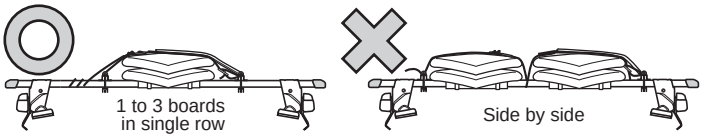
⚠ CAUTION Failing to observe these cautions may lead to accidents that may cause death or serious injur.

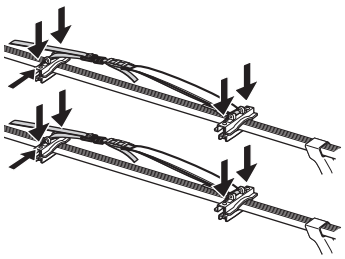
Note These notes explain points that you should know about when using the roof box.

⚠ ATTENTION Failing to observe these attentions may lead to injuries, or damage to the roof box, vehicle, and surrounding objects.

⚠ CAUTION

Types of board and maximum loading capacity.
This is a dedicated attachment for loading 1 to 3 short board(s) or 1 to 2 long/sail board(s). Maximum loading capacity varies with each vehicle type. Check applicable setting for your car on Application Table by Vehicle Type. Do not load objects other than surf board or sail board. Follow illustrations below when loading boards.

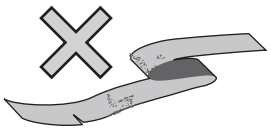


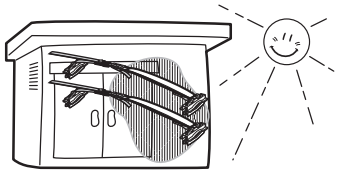


Before driving the vehicle, rock the attachment in the forward, back, right and left directions to ensure that there is no looseness in any of the 10 Hex bolts.

Belt is a consumable part. Before each use, be sure to check front and back of belt. If following conditions are observed, immediately stop use and replace with new part (genuine repair part). Failure to do so may cause belt to tear while driving, resulting in fallen boards.

1. Belt surface is fuzzy or damaged.
2. Color of belt is partially faded.
3. Thread is frayed or cut.
4. Part is damaged, deformed or rusted or missing.
5. Exhibits traces of heat or chemical damage.

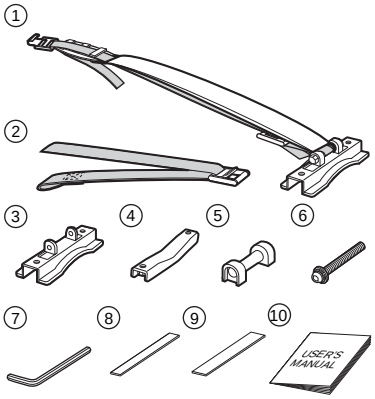




Belt deteriorates if exposed to UV rays.
When not in use, always remove belt and store it away from direct sunlight.

PARTS INCLUDED

Verify that all of these parts, components and items are included in the carrier system you have purchased. In the event any of these parts, components or items is missing, contact us as listed at the end of this manual.



No.	Part	Qty
①	Crane assembly	2
②	Belt (With buckle)	2
③	Belt holder	2
④	Lower plate	4
⑤	Spacer	2
⑥	Hex bolt	10
⑦	Hex wrench	1
⑧	Rubber adhesive pad (S)	8
⑨	Rubber adhesive pad (L)	4
⑩	Installation Instructions (user's manual)	1

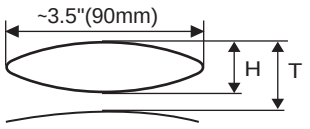
1

This product will fit square, round & most factory crossbars.*1
If you do not have factory crossbars, mount the carrier stays and bars according to the procedures described in the Basic Carrier System Installation Instructions.

⚠ CAUTION

The clearance between the front and rear carriers should be in the range of 20 inch (50 cm) or more.

■ MAXIMUM CROSSBAR SIZE



H: ~1.2" (30mm) [Without option]
1.2"~2.0" (30~50mm) [Needs ISF714]
T: Distance to Roof : Min2.0" (50mm)

*1: Round bars require ISF715 adapter (sold separately) Some factory crossbars require ISF714 long bolt kit (sold separately)

2

Affix the rubber adhesive pad if rack is placed on factory crossbar or oval bar. Do not use rubber adhesive pad if rack is placed on square or round cross bar. Refer the figures below.

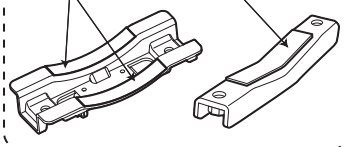
⚠ CAUTION

If you miss use the rubber adhesive pad, rack may slide and the loaded board(s) may fall off.

Use rubber adhesive pad

Factory crossbar
or Oval bar

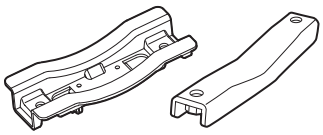
Rubber adhesive pad (S) Rubber adhesive pad (L)



Do not use rubber adhesive pad

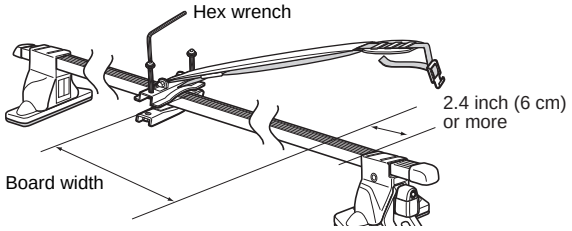
Square bar Round bar (With round bar adapter [sold separately])

Do not use rubber adhesive pad

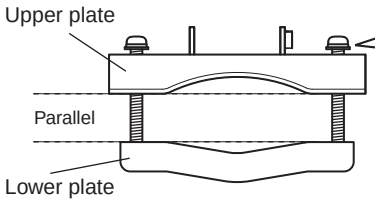


3

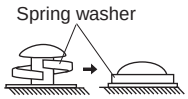
Install crane with hex bolt using hex wrench at position appropriate for board width.



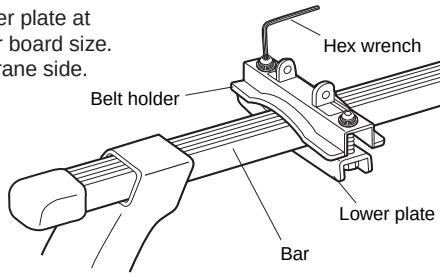
4
Tighten the bolts on each side evenly in order to parallel the Upper plate and Lower plate.



Tighten hex bolt further until spring washer flattens.

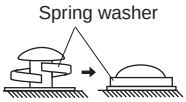


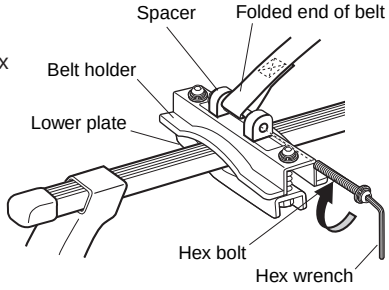
5
Install belt holder / lower plate at position appropriate for board size. Tighten same as the crane side.



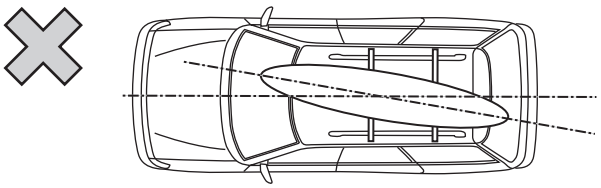
6
Guide spacer through folded end of belt and securely tighten to belt holder with hex bolt using hex wrench.

Tighten hex bolt further until spring washer flattens.





7
Line up with the front rack when mounting the rear rack so that the surfboard will be parallel to the vehicle when loaded.

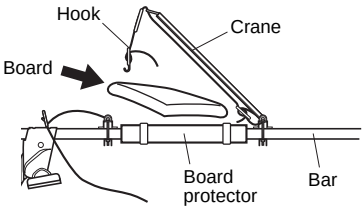


8
Carry up to 3 short boards or 2 long boards / windsurf boards.

⚠ CAUTION

Maximum loading capacities may differ from OEM to after market crossbars. Before installing, please confirm load capacities with the owner's manual for OEM crossbars or Fit Guide for the after market crossbars.

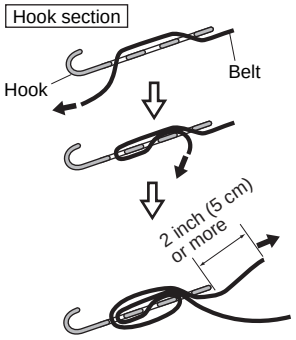
9
Load board.
Set INNO board protector or other cushion material on bar and place board on top.



10
Adjust length of crane belt according to board width and number of boards to be loaded.

⚠ CAUTION

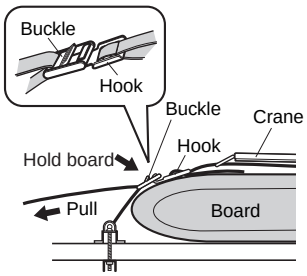
– Allow belt end to project 2" (5 cm) or more from hook. If end section is short, belt may come off and board may drop.
– Guide belt correctly by referring to illustrations, in order to prevent board from dropping



11
Attach buckle to hook and secure board by pulling belt. Hold board while belt is being pulled.

⚠ CAUTION

Do not overtension belts, since surf / sail board may crack or deform.



12
Shake board to confirm it is held securely.

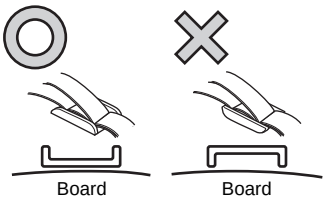
⚠ CAUTION

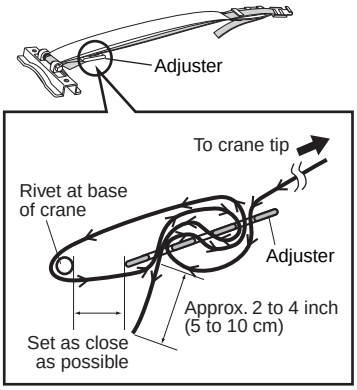
Before driving the vehicle, rock the attachment in the forward, back, right and left directions to ensure that there is no looseness in any of the 10 mounting Hex bolt. Retighten any loose screw.

13
How to guide / replace belt
Prepare new belt set. Pass belt on crane side through adjuster and guide it around rivet at base of crane.

⚠ CAUTION

Pay attention to adjuster orientation. Installing the adjuster upside down, this will cause damage to surfboard.

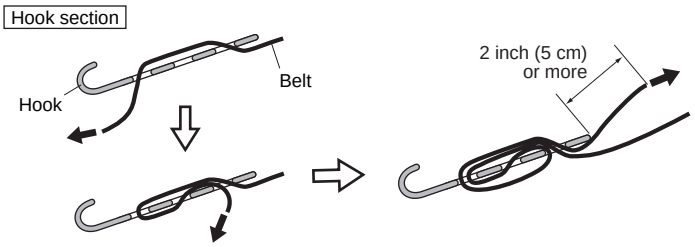




14
How to guide / replace belt
Guide longer belt end through crane tip and through hook. Follow adjustment procedure of belt length.

⚠ CAUTION

Board may drop if belt is guided incorrectly.

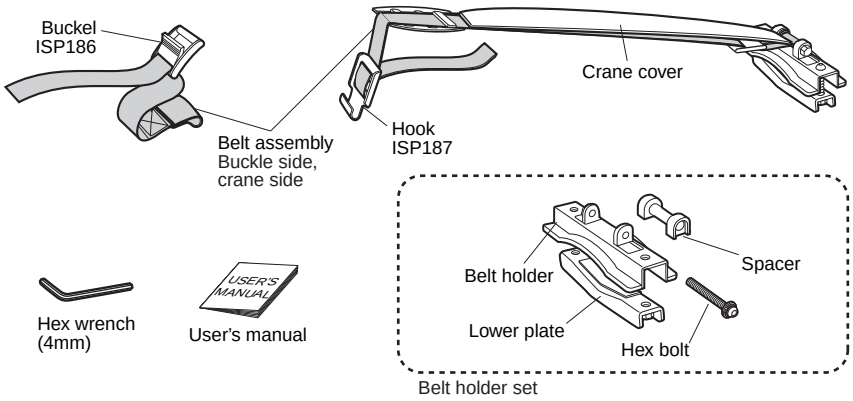


Information on genuine repair parts

The following genuine repair parts are available for the carrier system. Specify the part number when ordering any part from the store where you purchased your system.

Note

The specifications and external appearance of the carrier system and genuine repair parts are subject to change without prior notice in the interest of product improvement.



Contact Information

If you have any complaints, requests or comments, please contact us listed right. CARMATE shall not be held liable for any accidents or incidental losses arising from improper installation or use, nor for those arising from installation or use after the customer has made any change to the system's original configuration or specifications.

*Specifications and exterior design are subject to change without notice for purposes of improvement

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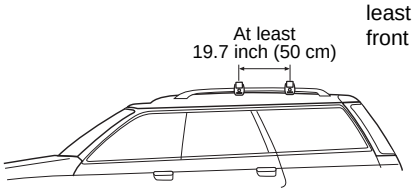
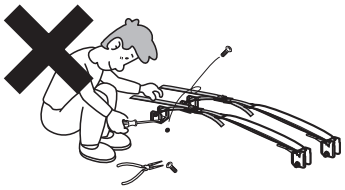
support@innoracks.com www.innoracks.com

Read and understand this user's manual thoroughly before using the your new board carrier and be sure to follow all usage instructions.
Keep this manual in a safe place so that it's handy for reference anytime.
If you sell or give away the board carrier, provide this manual to the new owner to ensure safe installation and usage.
If you have any questions regarding the information in this manual, please contact the service center listed at the end of this manual.

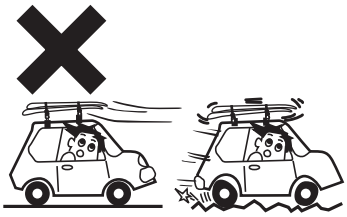
⚠ Caution



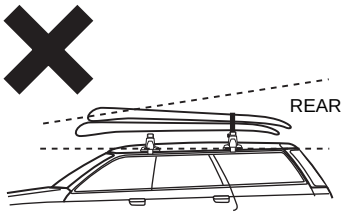
There should be a distance of at least 19.7 inch (50 cm) between the front and rear crossbars.



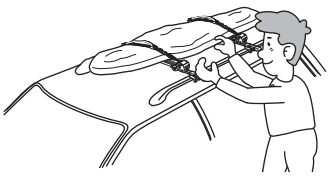
We cannot guarantee the performance of racks or crossbars made by other manufacturers when used with the Board Locker. Please make sure that they are installed correctly and in good condition.
Do not attempt to modify your rack.



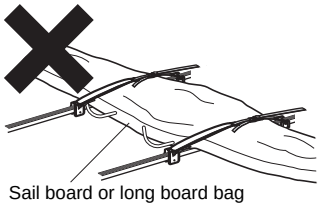
Obey all posted speed limits. Drive slower under strong winds or on rough roads.



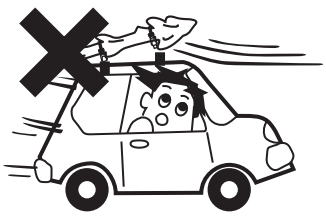
If multiple surf/sail boards are stacked, rear end must be higher than front end.
If front end is higher, air resistance increases and may place undue strain on carrier.



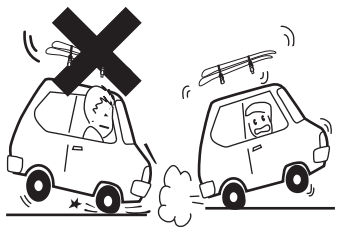
Before driving, shake board in all directions to inspect belt tension. Retention loose belts.



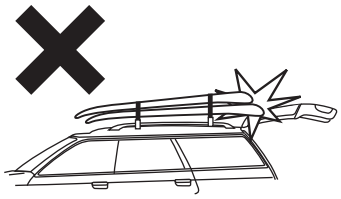
Do not load sail boards or long boards in bag. Only short boards can be loaded in bag.



If a short board is loaded in a bag, secure it firmly to prevent moving.



Do not make hard starts, unnecessarily sharp turns, abrupt maneuvers or sudden stops. In case you have to perform such a maneuver, always check afterwards to see that the carrier and cargo remain secure.



Be careful not to hit the surfboards or sailboards with the vehicle's tailgate or trunk lid. In case your gear is accidentally hit by the tailgate or trunk lid, be sure to check the carrier's mounting condition.

Do not drive your carrier through a car wash.
Always remove the carrier system before running your car through a car wash.

Daily care and storage

1 Wash any mud off the carrier system.

2 Use a damp cloth to wipe away dust and dirt.

Note
Do not use thinner or other solvents.

3 Clean the carrier system and check for the following:

Check Items

1) Worn screw threads 2) Key deformation
3) Holder deformation 4) Cracking in the components of the carrier system

4 Store all components of the carrier system together in one place to prevent any component from being lost. Avoid storage in areas subject to direct sunlight, high temperature or excessive humidity.